



ENVIRONMENTAL CONSULTANTS

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**Crawford Station MGP Site  
Chicago, Illinois**

**Weekly Field Progress Report**

Report Date: August 3, 2012

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Submitted To: Integrys Business Support, LLC  
Naren M. Prasad, PE

Activity Period: July 22, 2012 through July 28, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

<i><b>Tasks</b></i>	<i><b>Environmental Activities</b></i>
General Description of Work Performed	<p>The following activities were conducted:</p> <ul style="list-style-type: none"><li>• Tecnica continued to backfill and compact Area I, G, L, and any additional areas that were required to be brought up in elevation.</li><li>• Tecnica continued to excavate and load out material from Area L, the southwest extent of Area S, and Area AA down to the crown of the sewer with trenching along either side of the sewer.</li><li>• Tecnica began additional excavation in the Potential Removal Area (PRA) south of Area S in 25' sections. Excavation will continue in this manner until no visual indicators of source material are observed.</li><li>• Rusmar foam was utilized daily to mitigate odors, and woodchips were utilized as needed for additional odor control throughout the week.</li><li>• An odor mitigation system was installed on the western boundary fence. A system test was performed on 7/24/12 with water and full operation with odor mitigation began on 7/25/12.</li><li>• Excavated soils were loaded and transported to Waste Management's Laraway Road RDF landfill for disposal. A total of 11,184 tons of material was disposed of at the landfill bringing the overall project total to 232,251 tons.</li><li>• Utilized GPS to locate pertinent items and features.</li></ul>

	<ul style="list-style-type: none"> <li>NRT conducted air monitoring activities for PM<sub>10</sub> through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.</li> </ul>
<b>Tasks</b>	<b>Environmental Activities</b>
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"> <li>DustTraks collected particulate data each day and data has been downloaded for analysis.</li> <li>Six post-excavation floor samples were collected at a depth of 16 feet in Area L (EB-129, EB-130, EB-131, EB-136, EB-137, and EB-138). Four floor samples were collected from Area AA along the large City of Chicago sewer (EB-132, EB-133, EB-134, and EB-135). These samples will be analyzed for constituents listed in the RAWP for post-excavation.</li> <li>Three SUMMA canisters were deployed on 7/25/12 and sent to TestAmerica Laboratory for BTEX and naphthalene analysis.</li> </ul>
NRT Field Personnel	Vince Guiliani, Ron Horan, Tim Norris, Kyle Bareither
Equipment Deployed:	SUMMA Canisters DustTraks PIDs Multi-gas meter
Field Photos	See attached sheets

Additional site activities:

Water is being pumped from the open excavations as needed. Water is sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system.

Work planned for the coming week, July 29, 2012 through August 4, 2012, is as follows:

- Provide oversight for the continuing excavation of Area S, the PRA south of Area S, and Area U.
- Take additional floor and wall samples in Areas S, the PRA south of Area S, and Area U.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation, post-amendment, and air sampling data from TestAmerica.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Timothy B. Norris, PG  
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

## Field Photos:



Photo 1: NRT field personnel collecting soil samples in Area L.

Direction: Facing northwest.

Photo Date: 7/23/2012

Photo Taken By: RJH



Photo 2: Rusmar foam being used to mitigate odors in Area S.

Direction: Facing north.

Photo Date: 7/23/2012

Photo Taken By: RJH



Photo 3: Excavation underway in Area AA adjacent to the large City of Chicago sewer.

Direction: Facing southwest.

Photo Date: 7/25/2012

Photo Taken By: RJH

**Field Photos (continued):**



Photo 4: Newly installed odor mitigation system in operation along west boundary fence.

Direction: Facing southwest.

Photo Date: 7/25/2012

Photo Taken By: RJH



Photo 5: Excavation in Area AA and Area S.

Direction: Facing east.

Photo Date: 7/25/2012

Photo Taken By: RJH



Photo 6: Excavator loading a truck in Area S.

Direction: Facing southeast.

Photo Date: 7/27/2012

Photo Taken By: RJH



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Downers Grove, Illinois 60515

Week of: 7/22/12 to 7/28/12

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**Subject: Site Remediation – Construction Management  
Peoples Gas – Former Crawford Station**

**Burns & McDonnell Personnel Onsite**

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Others

- Chad Hawthorn
- Mike Swieca

**Integrys Peoples Gas Personnel Onsite**

- None

**Subcontractors Onsite**

- Tecnica Environmental Services
- Interra

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber) and Vito Pesoli (MT)

**Miscellaneous Visitors**

- Jiggs O'Shields (NCM)
- Eloy Madrigal (Interra)
- Gary Klein (TES)
- Terry Ross (Rusmar)

**Site Activities**

**BURNS & MCDONNELL**

- Managed site activities with Tecnica Environmental Services and Interra;
- Escorted Interra and NCM personnel during their site visit;
- Pumped and discharged 89,411 gallons of treated excavation water to MWRD;
- Issued truck tracking forms for all excavated soils from Areas L, M, N and AA;
- Tracked 591 loads (11,183.58 tons) for Direct soils disposal at Laraway Landfill;
- Received 516 loads of CA-6 (11,625.72 tons) and 38 loads of CA-1 (850.68 tons) for backfill in areas I, K, L, M, N, J, and AA;
- Participated in daily subcontractor pre-task analysis safety meetings on site;
- Conducted periodic health and safety air monitoring in excavation area with no significant PID readings from the site activities;

- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management; and
- Monitored site conditions for traffic, dust, odors, and overall safety.

#### **TECNICA ENVIRONMENTAL SERVICES**

- Excavated and loaded out soils from areas AA, I, J, L, M, and N;
- Controlled odors through foaming (20 drums used) and wood chips;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment and misting system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting samples in area L;
- Performed routine maintenance on decon pad, tracking pad, and haul roads;
- Continued breaking concrete generated from areas M and L; and
- Excavated and backfilled both sides of Chicago Sanitary Sewer simultaneously as required by OUC and Chicago Water Department.

#### **INTERRA**

- Performed compaction tests on CA-6 during backfill of areas AA, I, J, L, M, and N.

#### **Changes to Scope of Work**

- Continued support for PGL pipe integrity excavation currently on hold.

#### **Open/Outstanding Items**

- Repair of the blown down portions of 12-foot high fence as a result of the violent storm that went through.

#### **Anticipated Activities for the Week of July 29, 2012**

- Continue backfilling areas L, M, N and AA;
- Excavate and load out in areas south of S and U; and
- Continue to operate and maintain misting system.



**Crawford Station Site:**

**Remediation**

Date: July 30, 2012

Description: Looking southeast from area L. Tecnica continued backfilling and compacting CA-6 in areas L, M, and N. Areas were also tested for moisture and density.



**Crawford Station Site:**

**Remediation**

Date: July 24, 2012

Description: Looking southeast. Tecnica continued digging both sides of Chicago Sanitary Sewer simultaneously as required by OUC.



**Crawford Station Site:**

**Remediation**

Date: July 25, 2012

Description: Looking west from area T. Due to odor complaints, an odor mitigating misting system was installed along the top of the west property fence.



**Crawford Station Site:**

**Remediation**

Date: July 26, 2012

Description: Looking north from area AA. Tecnica continued backfilling both sides of Chicago Sanitary Sewer simultaneously as required by City of Chicago Water Department.